

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Non-GMO Broad Spectrum Hemp Oil Water Soluble Powder

PRODUCT CODE: WSP-NO-NG-20%-Bulk

LOT NUMBER: COWSPNG21-07

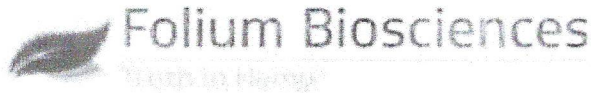
DATE OF MANUFACTURE: 12Aug2021 **EXPIRATION DATE:** 12Feb2023

(DDMMYYYY)

(Expiration date is 18 months
under sealed conditions.)

INGREDIENTS: Tapioca Maltodextrin, Acacia Gum, Broad Spectrum Hemp Oil, Sunflower Lecithin, Vitamin E, Industrial Hemp

Parameter	Method ¹	Specification	Results
Appearance	QC-SOP-0002	Amorphous free flowing powder	Pass
Color		Pale yellow to beige	Pass
Dissolution		Completely dissolves	Pass
Cannabinoids	HPLC-DAD	LOQ (%)	Wt. (%) (mg/g)
CBD		0.171	21.966 219.66
CBD-A		0.176	ND ND
Δ9-THC		0.010	0.021 0.21
THC-A		0.009	ND ND
CBN		0.048	ND ND
CBN-A		0.104	ND ND
CBG		0.036	ND ND
CBC		0.064	ND ND
CBC-A		0.059	ND ND
Δ8-THC		0.181	ND ND
CBDV		0.040	0.450 4.50
CBDV-A		0.073	ND ND
THCV		0.033	ND ND
Potency - Total CBD		NLT 20.0 wt%	22.0%
Total THC		NMT 0.0%	0.0%
Moisture	USP <921> KF	For Information Only	2.760%
Pesticides	LC-MS GC-MS	Refer to Oil Specification	Refer to Oil Certificate of Analysis
Residual Solvents	GM-MS	Refer to Oil Specification	Refer to Oil Certificate of Analysis
Heavy Metals: ²			
Arsenic	ICP-MS	<1.5 ppm	ND
Cadmium		<0.5 ppm	ND
Lead		<0.5 ppm	ND
Mercury		<1.5 ppm	ND



Parameter	Method ¹	Specification	Results
Microbial Limits: ²			
Total aerobic plate count	USP <2023>	<10 ⁴ cfu/g	<ILOQ
Total yeast & mold		<10 ³ cfu/g	<ILOQ
Total coliforms		<10 ² cfu/g	None Detected
Shiga-toxin producing E. coli (STEC)		Absent in 25 g	Absent
Salmonella		Absent in 25 g	Absent
Mycotoxins: ²			
Aflatoxin B1	LC-MS	<5 ppb	ND
Total Aflatoxins (B1, B2, G1, G2)		<20 ppb	ND
Ochratoxin A		<5 ppb	ND

Notes: ¹according to Folium Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method.

ND=Not Detected, LOQ=Limit of Quantitation, LOD=Limit of Detection ²Specifications listed are set in accordance with CDPH, 6 CCR 1010-21.

The above certificate of analysis is based on Product Specification (QA-FRM3-0001 WSP-NO-NG-20%-BULK)

Revision No. 7

Results conform to all specifications: Yes or No

Storage: Room Temperature, Protect from Light, Protect from Moisture. Due to the hygroscopic nature, the product may absorb atmospheric moisture resulting in the appearance of clumps.

This Certificate of Analysis does not relieve the purchaser from undertaking their own tests to assure the suitability of this product for its application and to comply with all legal requirements for any goods into which this product is incorporated.

Prepared by: Joshua D. Beach Date: 08 Sep 2021
Quality Control, Folium Biosciences

Reviewed by: Brendon Roseman Date: 08 Sep 2021
Quality Control, Folium Biosciences

Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

Sample Name:	BioPerine (Black Pepper Extract)	Eurofins Sample:	9751742
Project ID	PROACTI_NU-20200810-0005	Receipt Date	10-Aug-2020
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	C200268	Login Date	10-Aug-2020
Sample Serving Size		Date Started	10-Aug-2020
		Sampled	Sample results apply as received
		Online Order	20

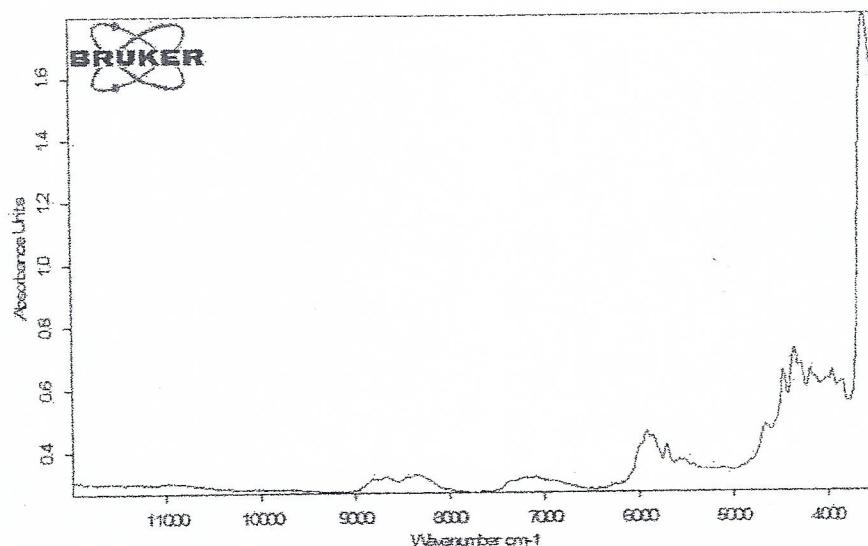
Analysis

Result

FT-NIR Characterization

Material Name
Result
Image File

BioPerine
Passes for containing piperine



\\FTNIRP\NIR Data\08August2020\RawData\27August2020\27August2020_OCFTNIRPowder_9751742_BioPerine_27August2020 9751742 8/27/2020

Page 1/1

Determination of Piperine by UPLC

Piperine

985000 mcg/g

Method References

Testing Location

Determination of Piperine by UPLC (OC_PIPER_S)

Food Integrity Innovation-Brea
2951 Saturn Street, Unit C Brea, CA 92821 USA

Internally Developed Method

Printed: 28-Aug-2020 12:25 am

Page 1 of 2



Food Integrity
& Innovation

Report Number: 2980917-0

Report Date: 28-Aug-2020

Report Status: Final

Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

Method References	Testing Location
FT-NIR Characterization (OC_FTNIR) Internally developed method	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Testing Location(s) Food Integrity Innovation-Brea Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375	Released on Behalf of Eurofins by Robert Grahn - Manager

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

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If you liked our service, please tell a friend. If you didn't, please tell us!

40 West Louise Ave., Salt Lake City, UT 84115
Phone: (801) 485-1800 Fax: (801) 484-9211
Email: utlab@advancedlabsinc.com
FDA Registration #14353128308

Test Certificate

Description: BioPerine (Black Pepper Extract)
Sample ID:
Lot No: C200268
Location:
Received: 8/10/2020
Completed: 8/17/2020

Client: Proactive Nutra, LLC
720 South Smith Road
Tempe, Arizona 85281

Lab No: 201211-01

Analysis	Result	Per Unit	Specifications	Method
Total Aerobic Microbial Count	<10	CFU/g	< 10,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	< 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	Absent	USP <2022>
Salmonella	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold	<10	CFU/g	< 1,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	< 1,000 CFU/g	
Mold *	<10	CFU/g	< 1,000 CFU/g	

* For informational purposes only.

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:

Kristina Noll - Quality Technician

Dated: 8/17/2020

Printed: 8/17/2020 4:22:06 PM





Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-647-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

Proactive Nutra
720 S Smith Road, Suite 101
Tempe, AZ
85281 USA
480.966.1640

Sample Information

ARL ID: 412215
Date Received: 4/27/2021
Description: Horsetail Powder Extract - Identification
Lot#: SB21-H040531

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
HPTLC	HPTLC	NA	Record Only	*See Notes		38

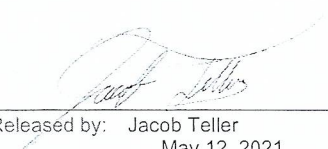
Notes:

*See Supplemental COA.

Form# arlcoa031201a

Printed on: May 12, 2021 6:04 PM

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Released by: 
Jacob Teller
May 12, 2021
Page 1

[†]Method Detection Limit (MDL): In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. Limit of Quantitation (LOQ): In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.



Certificate of Analysis

Product: 412215 : Horsetail Powder Extract

Certificate No.: P7117718 Version 1

Lot No: SB21-H040531

Issued for: Analytical Resource Labs.

Test / Date / Method	Specification	Results
Identification 2021-05-05 HPTLC	Equistum Arvense Conforms to Standard	Passes as Equisetum sp. herb.

Issuance Date: 2021-05-12

Approved By:
Mo Lababidi
Senior Analyst

M

Requisition: 1107R8615 Received On 2021-04-29 Code No: N/A For Analytical Resource Labs., 520 S 850 E Suite B3, Lehi, 84043,
Tel:8018477722 Fax:.

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equisetum0505 1-2489

visionCATS

Analysis: equisetum0505 seq21-2489

Path: Home/Analysis/May-2021/2021-05-05

Based on method: ATS4 Template

Created	05-May-2021 09:59:20	Administrator
Modified	05-May-2021 14:37:18	Administrator
Last HPTLC log	05-May-2021 14:37:18	Analysis modified
Explorer notes		

Track	Vial ID	Description	Volume	Position	Type
1	7117393	Prete	3.0 µl	A1	Sample
2	7117393	Prete	6.0 µl	A1	Sample
3	7117718	412215: Horsetail Powder Extract lot# SB 21-H040531	3.0 µl	A2	Sample
4	7117718	412215: Horsetail Powder Extract lot# SB 21-H040531	6.0 µl	A2	Sample
5	IS 1876	Equisetum arvense aerial parts reference material	3.0 µl	A3	Sample
6	IS 1876	Equisetum arvense aerial parts reference material	6.0 µl	A3	Sample
7	IS 1212	Equisetum hyemale aerial parts reference material	5.0 µl	A4	Sample
8	IS 1213	Equisetum telmateia aerial parts reference material	5.0 µl	A5	Sample

Sequence table notes

A track marked with ⚡ means: the application type is overridden in some evaluation(s).

System setup:

Software	Server HPTLC1, version 2.5.18262.1
ATS4	S/N:260550
Chamber	N/A
Derivatization spray	N/A
Visualizer 2	S/N:260074

Chromatography

Plate layout:

Stationary phase	Merck, HPTLC plates silica gel 60 F 254
Plate format	100.0 x 100.0 mm
Application type	User
Application	Position Y: 8.0 mm, length: 8.0 mm, width: 0.0 mm
Track	First position X: 15.0 mm, distance: 10.0 mm
Solvent front position	70.0 mm
Notes	

Application 1 - ATS 4 (S/N: 260550):

05-May-2021 14 18 - Administrator

Id: 8yVqJ5g=

1 - 6

(6)



equisetum0505 :1-2489

visionCATS

Spray gas	N ₂
Sample solvent type	User
Filling speed	15 µl/s
Predosage volume	200 nl
Retraction volume	200 nl
Dosage speed	150 nl/s
Filling quality	User
Rinsing cycles / vacuum	2 / 4 s
Filling cycles / vacuum	1 / 0 s
Rinsing solvent name	Methanol
Nozzle temperature	Unheated
Rack in use	Standard
Instrument diagnostics	Valid diagnostics
Notes	

Development 1 - Chamber:

Tank	TTC 20x10
Mobile phase	Ethyl acetate, acetic acid, formic acid, water (6.7/0.75/0.75/1.8)
Saturation time	20 min
Use saturation pad	true
Use smartALERT	false
Volume front through	10 ml
Volume rear through	10 ml
Drying time	5 min
Drying temperature	Room temperature
Notes	

Take image developed plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
R 254	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Derivatization 1 - spray:

Reagent name	Natural Products Reagent
Reagent preparation	0.05g 2-aminoethyl diphenyl borinate + 5mL methanol
Heating	100 °C for 3 min, heated before
Notes	

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Derivatization 2 - spray:



equisetum0505 1-2489

visionCATS

Reagent name	Polyethylene glycol 400 reagent
Reagent preparation	0.25g polyethylene glycol 400 + 5mL methylene chloride
Heating	none
Notes	

Take image derivatized plate 2a - Visualizer (S/N: 260074):

Quality	Enhanced
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

System suitability tests:

SST settings:

SST tracks

Data acquisition

Application 1 - ATS 4 (S/N: 260550):

Executed 05-May-2021 10:04:20 Administrator

Development 1 - Chamber:

Executed 05-May-2021 11:49:13 Administrator

Take image developed plate 1a - Visualizer (S/N: 260074):

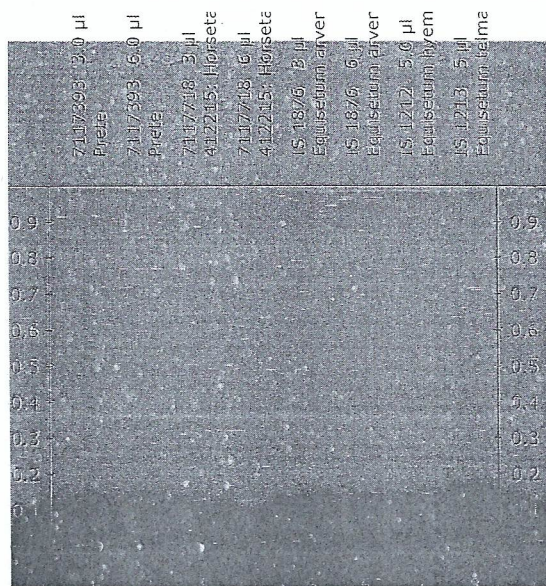
Executed 05-May-2021 11:49:16 Administrator

equisetum0505 11-2489

R 254

visionCATS

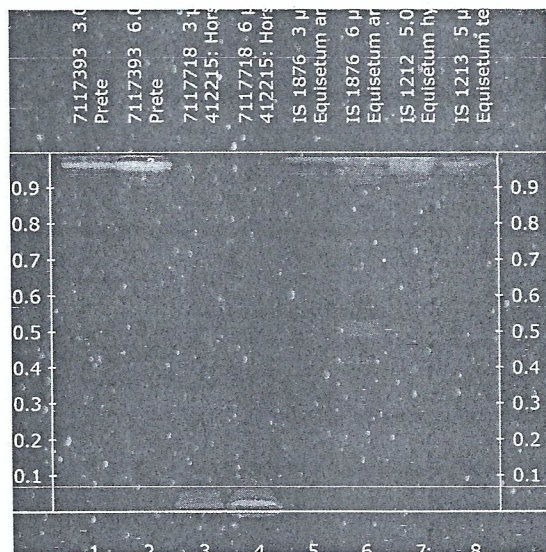
Developed, Remission254



Exposure	0.409 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

R 366

Developed, Remission366



Exposure	4.249 s
Contrast	4
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Derivatization 1 - spray:

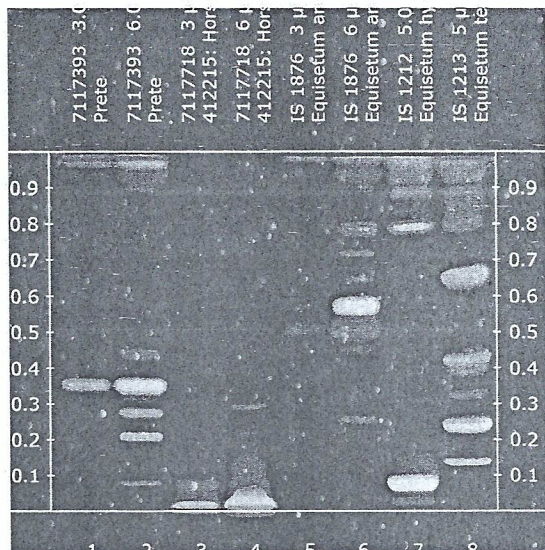
Executed 05-May-2021 14:06:55 Administrator

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Executed 05-May-2021 14:08:24 Administrator

R 366

Derivatized, Remission366



Exposure 3.410 s
Contrast 4
Normalized exposure Disabled
Clarify Disabled
White balance 1.00, 1.00, 1.00

Derivatization 2 - spray:

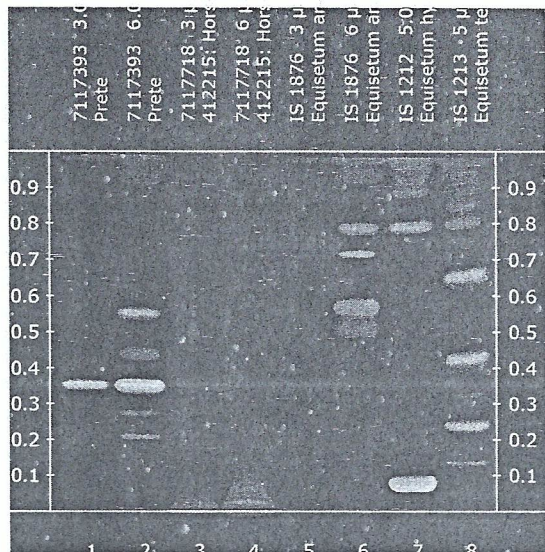
Executed 05-May-2021 14:18:36 Administrator

Take image derivatized plate 2a - Visualizer (S/N: 260074):

Executed 05-May-2021 14:18:38 Administrator

equisetum0505 * 1-2489
R 366

visionCATS
Derivatized, Remission366



Exposure 2.758 s
Contrast 3
Normalized exposure Disabled
Clarify Disabled
White balance 1.00, 1.00, 1.00

Remarks

Lanes 3-4: Test sample 412215: Horsetail Powder Extract lot# SB21-H040531 passes as Equisetum sp. herb.

Analyst:

Reviewer:



Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

Proactive Nutra
720 S Smith Road, Suite 101
Tempe, AZ
85281 USA
480.966.1640

Sample Information

ARL ID: 412216
Date Received: 4/27/2021
Description: Horsetail Powder Extract - Micros
Lot#: SB21-H040531

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Complete Micro Profile	USP, AOAC					24
Total Plate Count	USP <2021>	100	≤ 10,000	None Detected	cfu's/g	24
Coliforms	AOAC 991.14	10	≤ 100	None Detected	cfu's/g	24
E. coli	USP <2022>	Absent	Absent	Absent	cfu's/10g	24
Salmonella	USP <2022>	Absent	Absent	Absent	cfu's/10g	24
Yeast	USP <2021>	100	≤ 1,000	None Detected	cfu's/g	24
Mold	USP <2021>	100	≤ 1,000	None Detected	cfu's/g	24

Form# arlcoa031201a

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Released by: Jacob Teller

May 3, 2021

Page 1

[†]Method Detection Limit (MDL): In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. Limit of Quantitation (LOQ): In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

* ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and Supplement also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.

12



Certificate of Analysis

Product: 400548: Garlic Powder

Certificate No.: P7115324 Version 1

Lot No: CDAS-C-A091130

Issued for: Analytical Resource Labs.

Test / Date / Method	Specification	Results
Identification 2021-03-10 HPTLC	Conforms to standard.	Conforms

Issuance Date: 2021-03-10

Approved By:
Mo Lababidi
Senior Analyst

Requisition: 1107R8110 Received On 2021-03-03 Code No: N/A For Analytical Resource Labs., 520 S 850 E Suite B3, Lehi, 84043,
Tel:8018477722 Fax:.



allium0310 seq21-2024

visionCATS

Analysis: allium0310 seq21-2024

Path: Home/Analysis/March-2021/2021-03-10

Based on method: ATS4 Template

Created	10-Mar-2021 11:08:36 Administrator
Modified	10-Mar-2021 14:17:02 Administrator
Last HPTLC log	10-Mar-2021 14:17:02 Analysis modified
Explorer notes	

Track	Vial ID	Description	Volume	Position	Type
1	IS 1227	Allium cepa bulb reference material	5.0 µl	B9	Sample
2	7115324	400548: Garlic powder lot# CDAS-C-A091 130	3.0 µl	B8	Sample
3	7115324	400548: Garlic powder lot# CDAS-C-A091 130	7.0 µl	B8	Sample
4	IS 1225	Allium sativum bulb reference material	5.0 µl	B10	Sample

Sequence table notes

A track marked with 1 means: the application type is overridden in some evaluation(s).

System setup:

Software	Server HPTLC1, version 2.5.18262.1
ATS4	S/N:260550
Chamber	N/A
Derivatization spray	N/A
Visualizer 2	S/N:260074

Chromatography

Plate layout:

Stationary phase	Sigma, HPTLC plates silica gel 60 F 254
Plate format	50 x 100.0 mm
Application type	User
Application	Position Y: 8.0 mm, length: 8.0 mm, width: 0.0 mm
Track	First position X: 10 mm, distance: 10.0 mm
Solvent front position	70.0 mm
Notes	

Application 1 - ATS 4 (S/N: 260550):



allium0310 seq21-2024

visionCATS

Spray gas	N ₂
Sample solvent type	User
Filling speed	15 µl/s
Predosage volume	200 nl
Retraction volume	200 nl
Dosage speed	150 nl/s
Filling quality	User
Rinsing cycles / vacuum	2 / 4 s
Filling cycles / vacuum	1 / 0 s
Rinsing solvent name	Methanol
Nozzle temperature	Unheated
Rack in use	Standard
Instrument diagnostics	Valid diagnostics
Notes	

Development 1 - Chamber:

Tank	TTC 20x10
Mobile phase	Acetonitrile, water, formic acid (15/4/1)
Saturation time	0 min
Use saturation pad	false
Use smartALERT	false
Volume front through	0 ml
Volume rear through	10 ml
Drying time	5 min
Drying temperature	Room temperature
Notes	

Take image developed plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
R 254	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Derivatization 1 - spray:

Reagent name	Ninhydrin
Reagent preparation	30mg Ninhydrin +10mL butanol + 0.3mL acetic acid
Heating	120 °C for 10 min, heated after
Notes	

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
RT White	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

System suitability tests:

15



allium0310 seq21-2024

visionCATS

SST settings:

SST tracks

Data acquisition

Application 1 - ATS 4 (S/N: 260550):

Executed 10-Mar-2021 11:12:37 Administrator

Development 1 - Chamber:

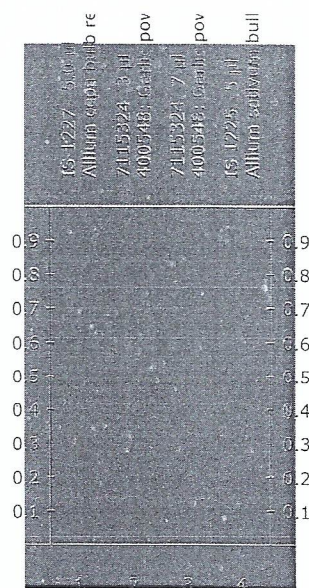
Executed 10-Mar-2021 12:19:26 Administrator

Take image developed plate 1a - Visualizer (S/N: 260074):

Executed 10-Mar-2021 12:19:46 Administrator

R 254

Developed, Remission254

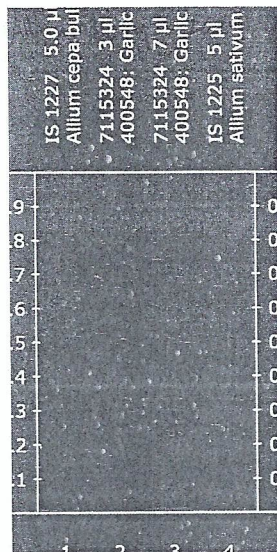


Exposure	0.188 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00



allium0310 seq21-2024
R 366

visionCATS
Developed, Remission366



Exposure	6.888 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Derivatization 1 - spray:

Executed 10-Mar-2021 14:07:28 Administrator

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Executed 10-Mar-2021 14:07:45 Administrator

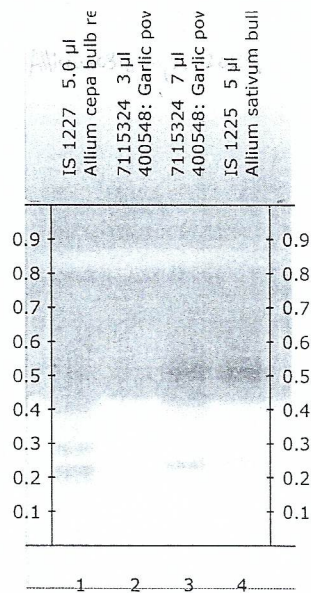
AMERICAN TESTING LAB

allium0310 seq21-2024

RT White

visionCATS

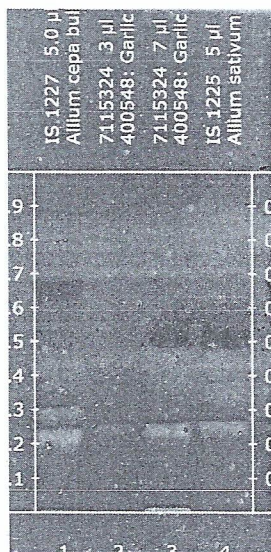
Derivatized, RemTransVis



Exposure	0.051 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

R 366

Derivatized, Remission366



Exposure	11.763 s
Contrast	1
Normalized exposure	Enabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Remarks

10-Mar-2021 14:17:03 - Administrator

Id: AGaR2yc=

5 - 6

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allium0310 seq21-2024

visionCATS

Lanes 2-3: Test sample I400548: Garlic powder lot# CDAS-C-A091130 passes as Allium sativum.

Analyst:

Reviewer:



Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

Proactive Nutra
720 S Smith Road, Suite 101
Tempe, AZ
85281 USA
480.966.1640

Sample Information

ARL ID: 400550
Date Received: 3/1/2021
Description: Garlic Powder - Micros
Lot#: CDAS-C-A091130

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Complete Micro Profile	USP, AOAC					24
Total Plate Count	USP <2021>	100	≤ 1 Million	900	cfu's/g	24
Coliforms	AOAC 991.14	100	≤ 1,000	None Detected	cfu's/g	24
E. coli	USP <2022>	Absent	Absent	Absent	cfu's/10g	24
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	24
Yeast	USP <2021>	100	≤ 100,000	None Detected	cfu's/g	24
Mold	USP <2021>	100	≤ 100,000	None Detected	cfu's/g	24

Form# arlcoa031201a

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Mar 8, 2021

Page 1

[†]Method Detection Limit (MDL): In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. Limit of Quantitation (LOQ): In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

* ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and Supplement also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.

20

Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis

Result

Botanical Identification - High Performance Thin-Layer Chromatography

All bands of the botanical reference material are also present in the test material. The test material meets the specifications for Celery (Apium graveolens) seed.

Plant Part

Seed

Method References

Testing Location

Botanical Identification - High Performance Thin-Layer Chromatography (OC_HPTLC_S)

Food Integrity Innovation-Brea

CDXA-TLCM-284-00

2951 Saturn Street, Unit C Brea, CA 92821 USA

FT-NIR Characterization (OC_FTNIR)

Food Integrity Innovation-Brea

Internally developed method

2951 Saturn Street, Unit C Brea, CA 92821 USA

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Brea

Robert Grahn - Manager

Eurofins Food Chemistry Testing US, Inc.
2951 Saturn Street
Unit C
Brea CA 92821
800-675-8375

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd

Tempe Arizona 85281 United States

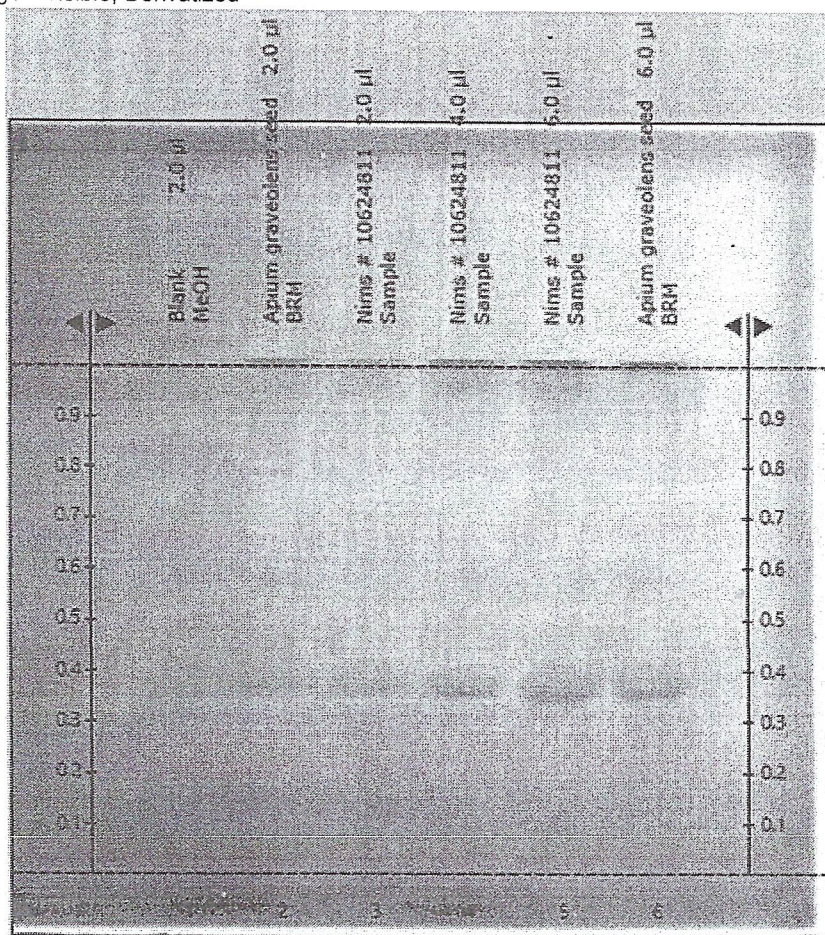
Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis

Result

Botanical Identification - High Performance Thin-Layer Chromatography

HPTLC Image - Visible, Derivatized



Comments and Conclusions

Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

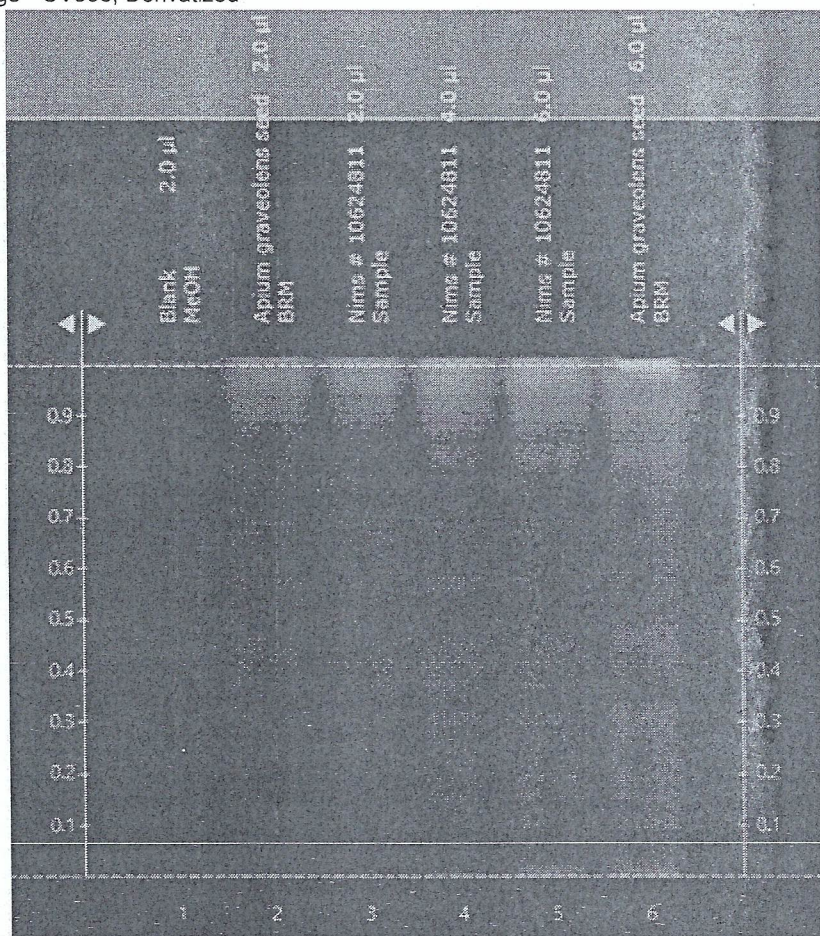
Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis

Result

Botanical Identification - High Performance Thin-Layer Chromatography

HPTLC Image - UV366, Derivatized



Certificate of Analysis

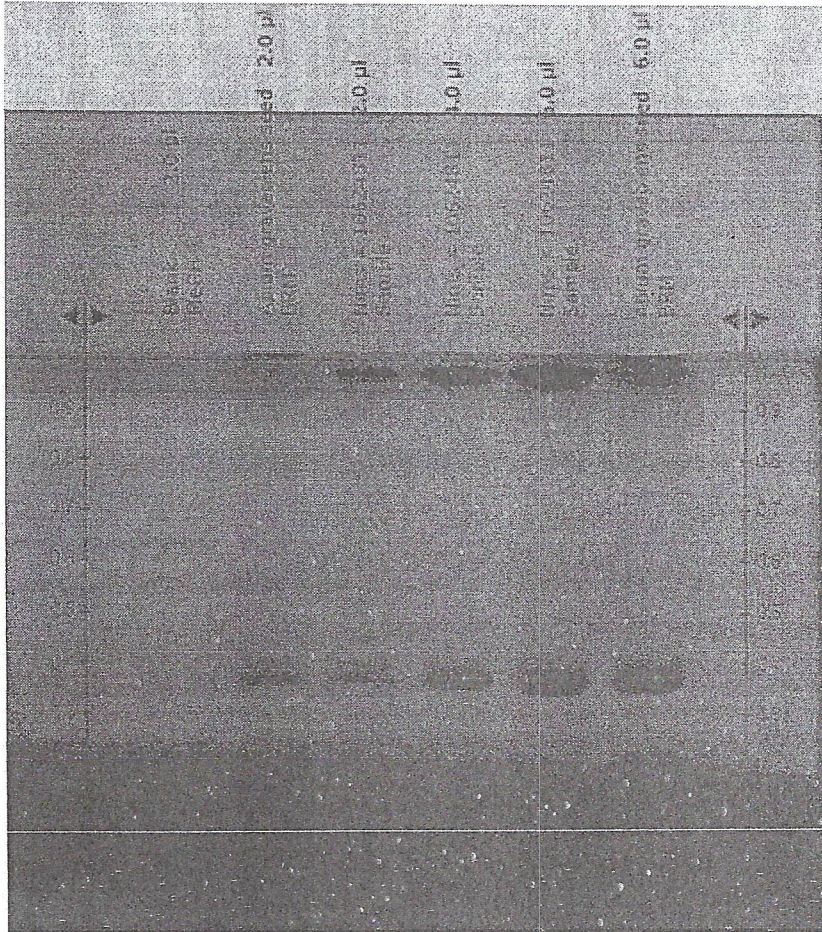
Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis
Result
Botanical Identification - High Performance Thin-Layer Chromatography

HPTLC Image - UV254



Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd

Tempe Arizona 85281 United States

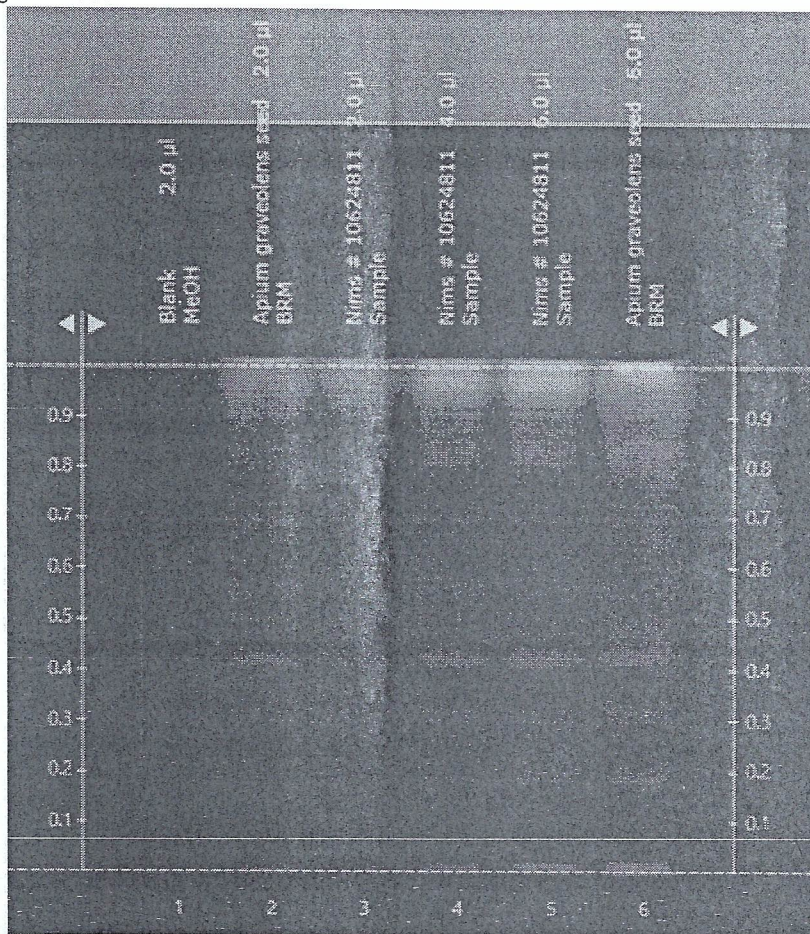
Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis

Result

Botanical Identification - High Performance Thin-Layer Chromatography

HPTLC Image - UV366



Certificate of Analysis

Proactive Nutra, LLC

720 S Smith Rd
Tempe Arizona 85281 United States

Sample Name:	Celery Seed Powder	Eurofins Sample:	10624811
Project ID	PROACTI_NU-20210526-0007	Receipt Date	26-May-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	8844EG	Login Date	26-May-2021
Sample Serving Size		Date Started	08-Jun-2021
		Sampled	Sample results apply as received
		Online Order	20

Analysis

FT-NIR Characterization

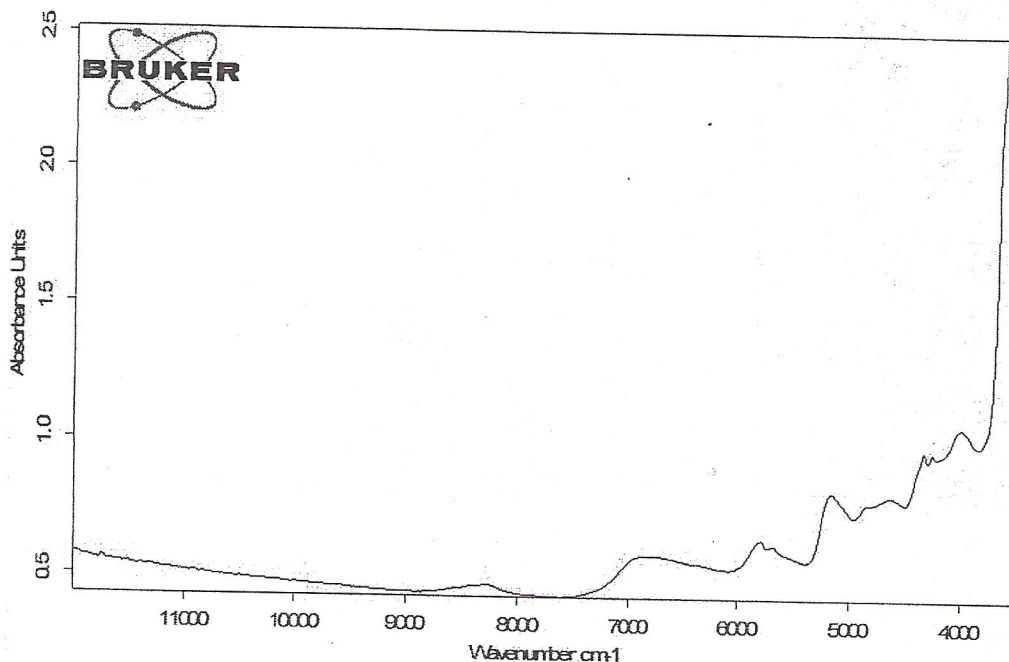
Material Name

Result

Result

Apium graveolens
Passes for meeting
specification for Apium
graveolens seed.

Image File



X:\FTIR\FTIR Data\09May2021\23May2021\Powder_10624811_Celery Seed Powder_23May2021.0	10624811_Celery Seed Powder_23May2021
--	---------------------------------------

Botanical Identification - High Performance Thin-Layer Chromatography



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40 West Louise Ave., Salt Lake City, UT 84115

Phone: (801) 485-1800 Fax: (801) 484-9211

Email: utlab@advancedlabsinc.com

FDA Registration #14353128308

Test Certificate

Description: Celery Seed Powder

Sample ID:

Lot No: 8844EG

Location:

Received: 6/1/2021

Completed: 6/8/2021

Client: Proactive Nutra, LLC

720 South Smith Road

Tempe, Arizona 85281

Lab No: 216497-01

Analysis	Result	Per Unit	Specifications	Method
Coliform	<10	CFU/g	< 1,000 CFU/g	AOAC 991.14
Total Aerobic Microbial Count	<10	CFU/g	< 1,000,000 CFU/g	USP <2021>
E.coli	<10	CFU/g	< 100 CFU/g	AOAC 991.14
Salmonella spp.	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold Count	<10	CFU/g	< 100,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	< 100,000 CFU/g	USP <2021>
Mold *	<10	CFU/g	< 100,000 CFU/g	USP <2021>

*For informational purposes only.

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Results Approved By: 

Lana Kaytso-Administrative Assistant

Dated: 6/8/2021

Printed: 6/8/2021 3:23:21 PM



Page 1 of 1

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ComplyID Identification Report

Customer:	Proactive Nutra, LLC	Report #	CDXA-CID-12028-00
Address:	Tempe, AZ	Test Location	Boulder, CO
Sample Name:	Tumeric Root PE		
Sample Lot:	Lot TR170301	Project Number:	COR005900
CDXA Number:	CDXA-18-008938	Purchase Order:	Not Provided
Assay #	CDA-00101242-ATR	Date Received:	25-Jul-18
Method:	5.4.2-03-5.0-000473	Date of Report:	02-Aug-18

Results SummaryTarget Reference: **Curcuma longa Root**Reference file;
report: NA**Result:**The material **passed** characterization as a reference material and has been positively identified.**Comments:**

Passes for meeting method requirements for botanical identity.

Authored: Tram-Anh Cai

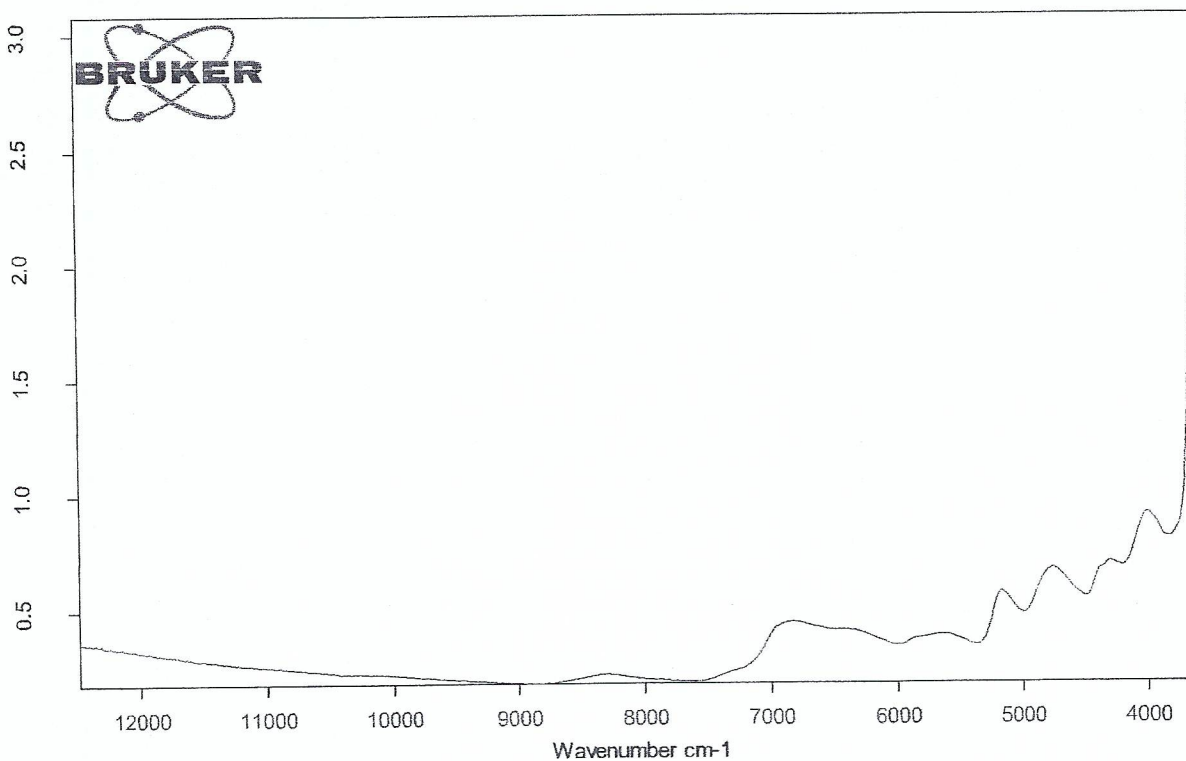
Date: 02-Aug-18

QA Verified/
Approved:**Collin Lowe**Digitally signed by Collin Lowe
DN: cn=Collin Lowe, o=Eurofins Botanical
Testing, US, Inc., ou=Quality Assurance,
email=collinlowe@eurofinsus.com, c=US
Date: 2018.08.02 11:51:49 -06'00'

Date: 02-Aug-18



Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018. These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.



Y:\CDXA Reporting\Comply\ID\CDXA-CID-12028-00 COR005900 Turmeric Root\TURMERIC ROOT PE_LOT TR170301_COR005900 MINISTAR_CDXA 8/1/2018

Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018. These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

Certificate of Analysis

Proactive Nutra, LLC

720 S. Smith Rd
Suite 101
Tempe, AZ 85281

Method References

Testing Location

Turmeric Rhizome (*Curcuma longa*) Identity by HP-TLC (CDA-00100532-ARS)

Covance Laboratories - Boulder

CDXA-TLCM-144-00; client requested extraction solvent
Covance Food Solutions – Boulder, CO Laboratory Notebook 522, pages 093-094
Covance Food Solutions – Boulder, CO Laboratory Notebook 403, page 056

Testing Location(s)

Released on Behalf of Covance by

Covance Laboratories – Boulder CO

Ian Laessig – Site Manager

Covance Food Solutions - Boulder, CO
2830 Wilderness Pl
Boulder CO 80301 United States

Verified: Tram-Anh Cai

QA Approved:

Collin Lowe

Digitally signed by Collin Lowe
DN: cn=Collin Lowe, o=Covance
Laboratories, Inc., ou=Quality
Assurance,
email=collin.lowe@covance.com, c=US
Date: 2018.07.31 15:44:11 -06'00'

Signed original on file at Covance

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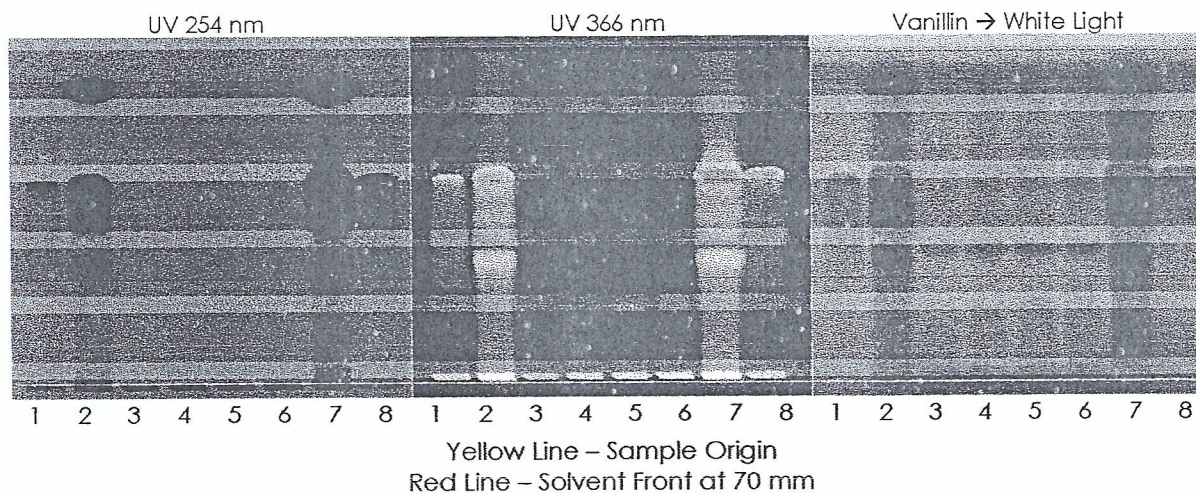
Certificate of Analysis

Proactive Nutra, LLC

720 S. Smith Rd
Suite 101
Tempe, AZ 85281

Sample Name:	Tumeric Root PE	Covance Sample:	CDXA-18-008938
Project ID	COR005900	Receipt Date	25-Jul-18
PO Number	Not Provided	Receipt Condition	Ambient
Lot Number	Lot TR170301	Login Date	25-Jul-18
Sample Serving Size	NA		

Analysis	Specification	Result
Turmeric Rhizome (<i>Curcuma longa</i>) Identity by HP-TLC	NA	Meets method requirements for botanical identity
<i>Curcuma longa</i>		



Lane	Amount Applied	ID
1	3 µL	Curcumin
2	3 µL	<i>Curcuma longa</i> Reference Extract
3	2 µL	Turmeric Root PE CDXA-18-008938
4	3 µL	Turmeric Root PE CDXA-18-008938
5	4 µL	Turmeric Root PE CDXA-18-008938
6	5 µL	Turmeric Root PE CDXA-18-008938
7	6 µL	<i>Curcuma longa</i> Reference Extract
8	6 µL	Curcumin

Signed original on file at Covance

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40 West Louise Ave., Salt Lake City, UT 84115

Phone: (801) 485-1800 Fax: (801) 484-9211

Email: utlab@advancedlabsinc.com

FDA Registration #14353128308

Test Certificate

Description: Tumeric Root Powder Extract

Sample ID: TR170301

Lot No:

Location:

Received: 2/28/2020

Completed: 3/10/2020

Client: Proactive Nutra, LLC

720 South Smith Road

Tempe, Arizona 85281

Lab No: 189904-01

Analysis	Result	Per Unit	Specifications	Method
Total Aerobic Microbial Count	61,000	CFU/g	< 10,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	< 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	Absent	USP <2022>
Salmonella	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold	<10	CFU/g	< 1,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	< 1,000 CFU/g	
Mold *	<10	CFU/g	< 1,000 CFU/g	

* For informational purposes only.

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Results Approved By:


Alisa Farnsworth-Quality Technician

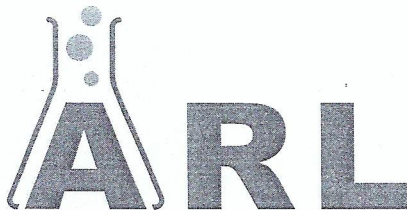
Dated: 3/10/2020

Printed: 3/10/2020 3:33:49 PM



Page 1 of 1

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Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

Proactive Nutra
720 S Smith Road, Suite 101
Tempe, AZ
85281 USA
480.966.1640

Sample Information

ARL ID: 402841
Date Received: 3/15/2021
Description: Nettle Leaf Powder Extract - Identification
Lot#: CQMY-C-A007575

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
HPTLC	HPTLC	NA	Record Only	*See Notes		38

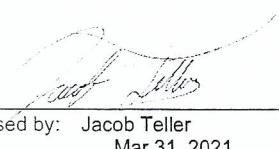
Notes:

*See Supplemental COA.

Form# arlcoa031201a

Printed on: Mar 31, 2021 8:28 AM

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Released by: 
Jacob Teller
Mar 31, 2021
Page 1

[†]**Method Detection Limit (MDL):** In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ):** In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.



Certificate of Analysis

Product: 402841 : Nettle Leaf Powder Extract

Certificate No.: P7115900 Version 2

Lot No: CQMY-C-A007575

Issued for: Analytical Resource Labs.

Test / Date / Method	Specification	Results
Identification 2021-03-18 HPTLC	conforms to STD	Passes as Urtica sp.

Issuance Date: 2021-04-20

Approved By:
Mo Lababidi
Senior Analyst

Requisition: 1107R8243 Received On 2021-03-16 Code No: N/A For Analytical Resource Labs., 520 S 850 E Suite B3, Lehi, 84043,
Tel:8018477722 Fax:..



AMERICAN TESTING LAB

urtica0420 seq21-2364

visionCATS

Analysis: urtica0420 seq21-2364

Path: Home/Analysis/April-2021/2021-04-20

Based on method: ATS4 Template

Created	20-Apr-2021 10:36:14	Administrator
Modified	20-Apr-2021 15:08:54	Administrator
Last HPTLC log	20-Apr-2021 15:08:54	Analysis modified
Explorer notes		

Track	Vial ID	Description	Volume	Position	Type
1	IS 1335	Urtica dioica root reference material	5.0 µl	B6	Sample
2	IS 1335	Urtica dioica root reference material	7.0 µl	B6	Sample
3	7116787	Saw Palmetto Prostate lot# 20F063	3.0 µl	A1	Sample
4	7116787	Saw Palmetto Prostate lot# 20F063	6.0 µl	A1	Sample
5	7115900	402841: Nettle leaf powder extract lot# C QMY-C-A007575	5.0 µl	B5	Sample
6	7115900	402841: Nettle leaf powder extract lot# C QMY-C-A007575	7.0 µl	B5	Sample
7	IS 1336	Urtica dioica leaf reference material	5.0 µl	B7	Sample
8	IS 1336	Urtica dioica leaf reference material	7.0 µl	B7	Sample
Sequence table notes					

A track marked with ⚠ means: the application type is overridden in some evaluation(s).

System setup:

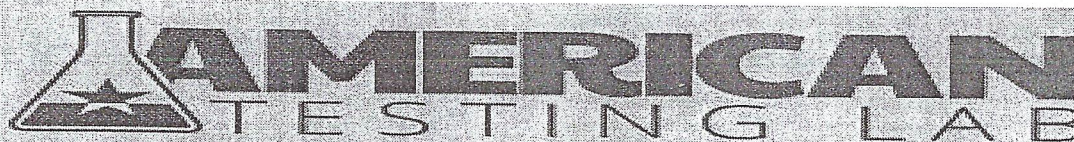
Software	Server HPTLC1, version 2.5.18262.1
ATS4	S/N:260550
Chamber	N/A
Derivatization spray	N/A
Visualizer 2	S/N:260074

Chromatography

Plate layout:

Stationary phase	Merck, HPTLC plates silica gel 60 F 254
Plate format	100.0 x 100.0 mm
Application type	User
Application	Position Y: 8.0 mm, length: 8.0 mm, width: 0.0 mm
Track	First position X: 15.0 mm, distance: 10.0 mm
Solvent front position	70.0 mm
Notes	

Application 1 - ATS 4 (S/N: 260550):



urtica0420 seq21-2364

visionCATS

Spray gas	N ₂
Sample solvent type	User
Filling speed	15 µl/s
Predosage volume	200 nl
Retraction volume	200 nl
Dosage speed	150 nl/s
Filling quality	User
Rinsing cycles / vacuum	2 / 4 s
Filling cycles / vacuum	1 / 0 s
Rinsing solvent name	Methanol
Nozzle temperature	Unheated
Rack in use	Standard
Instrument diagnostics	Valid diagnostics
Notes	

Development 1 - Chamber:

Tank	TTC 20x10
Mobile phase	Ethyl acetate, Methanol, water, formic acid, (10/0.8/0.8/0.5)
Saturation time	15 min
Use saturation pad	true
Use smartALERT	false
Volume front through	10 ml
Volume rear through	10 ml
Drying time	5 min
Drying temperature	Room temperature
Notes	

Take image developed plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
R 254	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Derivatization 1 - spray:

Reagent name	10% sulfuric acid in ethanol
Reagent preparation	0.5mL sulfuric acid + 4.5mL ethanol
Heating	105 °C for 3 min, heated after
Notes	

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Quality	Enhanced
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

System suitability tests:



urtica0420 seq21-2364

visionCATS

SST settings:

SST tracks

Data acquisition

Application 1 - ATS 4 (S/N: 260550):

Executed

20-Apr-2021 12:17:21 Administrator

Development 1 - Chamber:

Executed

20-Apr-2021 14:11:15 Administrator

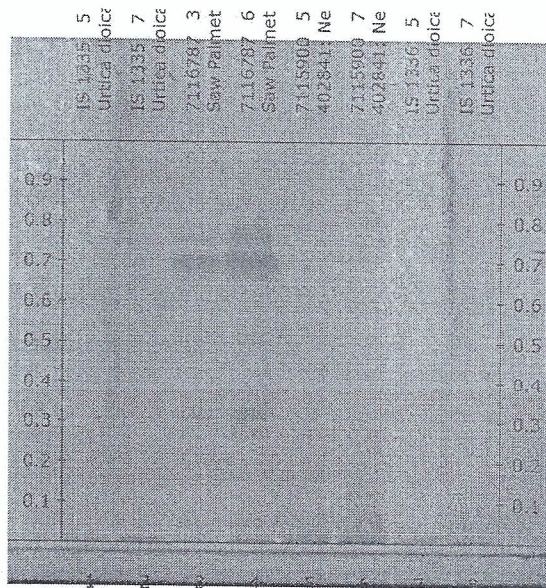
Take image developed plate 1a - Visualizer (S/N: 260074):

Executed

20-Apr-2021 14:11:16 Administrator

R 254

Developed, Remission254

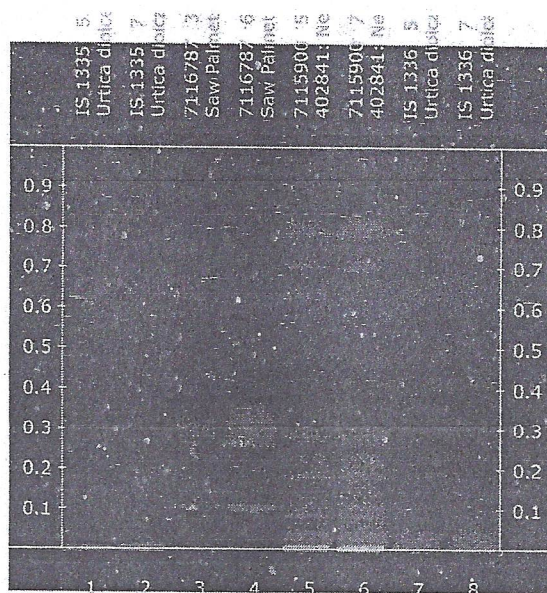


Exposure	0.419 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00



urtice0420 seq21-2364
R 366

visionCATS
Developed, Remission366



Exposure	2.726 s
Contrast	4
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Derivatization 1 - spray:

Executed 20-Apr-2021 14:41:44 Administrator

Take image derivatized plate 1a - Visualizer (S/N: 260074):

Executed 20-Apr-2021 14:41:46 Administrator

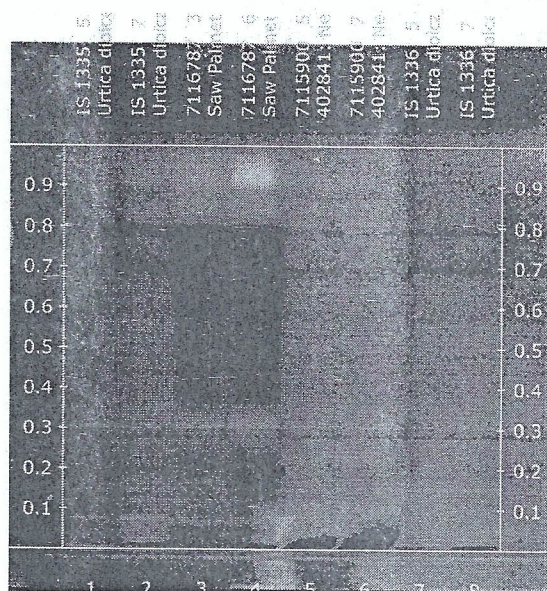


urtica0420 seq21-2364

R 366

visionCATS

Derivatized, Remission366



Exposure	4.303 s
Contrast	2
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Remarks

Lanes 5-6: Test sample 402841: Nettle leaf powder extract lot# CQMY-C-A007575 passes as Urtica sp.

Analyst:

Reviewer:



Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

Proactive Nutra
720 S Smith Road, Suite 101
Tempe, AZ
85281 USA
480.966.1640

Sample Information

ARL ID: 402842
Date Received: 3/12/2021
Description: Nettle Leaf Powder Extract - Micros
Lot#: CQMY-C-A007575

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Complete Micro Profile	USP, AOAC					1
Total Plate Count	USP <2021>	100	≤ 10,000	2,100	cfu's/g	1
Coliforms	AOAC 991.14	10	≤ 100	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Absent	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Absent	Absent	cfu's/10g	1
Yeast	USP <2021>	100	≤ 1,000	None Detected	cfu's/g	1
Mold	USP <2021>	100	≤ 1,000	None Detected	cfu's/g	1

Form# arlcoa031201a

Printed on: Mar 17, 2021 2:59 PM

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Released by: Jacob Teller

Mar 17, 2021

Page 1

[†]Method Detection Limit (MDL): In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. Limit of Quantitation (LOQ): In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

* ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and Supplement also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.

40

Hemp Oil Water Soluble Powder

Batch ID:	LOWSPNG21-07	Test ID:	T000165381
Matrix:	Concentrate	Received:	09/23/2021 @ 08:51 AM
Test:	Microbial Contaminants	Started:	9/23/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/27/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
E. coli (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
Salmonella	TM-25 PCR	1 CFU/g	NA	NA	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

FINAL APPROVAL

Brianne Maillot
 Brianne Maillot
 9/27/2021
 2:44:00 PM

Tori King
 Tori King
 9/27/2021
 4:00:00 PM

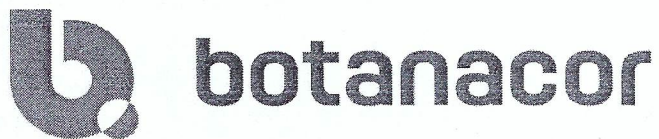
PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03



CERTIFICATE OF ANALYSIS

prepared for: PROACTIVE NUTRA LLC

720 S SMITH ROAD SUITE 101

TEMPE, AZ 85281

Hemp Oil Water Soluble Powder

Batch ID: LOWSPNG21-07

Test ID: T000165380

Type: Concentrate

Submitted: 09/23/2021 @ 08:51 AM

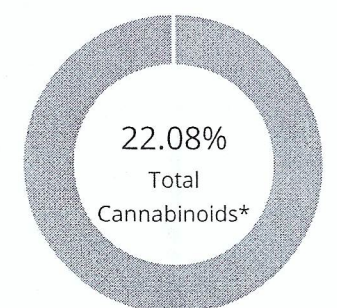
Test: Potency

Started: 9/24/2021

Method: TM14 (HPLC-DAD)

Reported: 9/27/2021

CANNABINOID PROFILE



CBD 21.67%

CBDa 0.00%

delta 9 THC 0.00%

THCa 0.00%

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.05	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.06	ND	ND
Cannabidiol (CBD)	0.06	21.67	216.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.06	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	0.41	4.1
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
Total Cannabinoids		22.08	220.8
Total Potential THC**		ND	ND
Total Potential CBD**		21.67	216.7

NOTES:

N/A

*% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and

Total CBD = CBD + (CBDa * (0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Sam Smith
27-Sep-2021
4:29 PMDaniel Weidensaul
27-Sep-2021
4:34 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



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